

# UNIVERSITAS INTERNASIONAL BATAM

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Practical work  
Electrical Engineering Study Program  
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## **PROTOTYPE CONVEYOR UNTUK MEMBANTU PROSES WELDING DI PT. VARTA MICROBATTERY INDONESIA**

**NPM: 1521017  
JUNIANDRI**

### **ABSTRACT**

PT. VARTA Microbattery Indonesia is a company engaged in the battery assembly. Battery assembly goes through several processes, one of which is welding where the welding process is carried out by a semi-automatic machine and the operator must charge his own battery, so how can it make an engine that can help the operator save time? From the above problems, the writer came up with the idea to make a tool that can help streamline time, namely a conveyor that is controlled by a PLC (programmable logic controller) so that no time is wasted.

The results obtained in the experiment using a conveyor and without using a conveyor have a difference, which in the experiment without conveyor the average time required is 16.748 seconds while the experiment using an conveyor the average time required is 14.57 seconds.

Keywords: *conveyor, PLC, welding*